MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2019/2020

DWD5034 – WEB DESIGN

(All Sections / Groups)

22 OCTOBER 2019
2.30 p.m. – 4.30 p.m.
(2 Hours)

INSTRUCTIONS TO STUDENT:

1. This question paper consists of 9 pages with 2 sections.
2. **SECTION A**: Answer **ALL** Multiple Choice Questions on the OMR sheet given.
3. **SECTION B**: Answer **ALL** Structured Questions in the Answer Booklet provided.

SECTION A [25 Marks]

1. Software that enables you to display and interact with text and other media on the web is a web _____.
   A. agent
   B. client
   C. server
   D. browser

2. Which of the following is **NOT** a Web 2.0?
   A. Static website
   B. Social networking
   C. Podcasts
   D. Wikis

3. In the URL: https://online.mmu.edu.my/index.php, the portion labeled ".edu.my" is the _____.
   A. subdirectory
   B. host
   C. top-level domain
   D. protocol

4. The browser will open the file as web page only if the first and last tag are _____ tags.
   A. `<title>...</title>`
   B. `<html>...</html>`
   C. `<head>...</head>`
   D. `<body>...</body>`

5. Which of the following statement is **FALSE** about heading tags in HTML?
   A. There are six levels of headings.
   B. A heading can act as a section divider.
   C. Heading structures go into the body of the HTML document.
   D. A heading always begins at the margin of a line and always forces a line break at the end of the heading.

6. _____, also called as a numbered list.
   A. Unordered list
   B. Definition list
   C. Ordered list
   D. Nested list

7. To create an italicize text, put it between `<i>...</i>` or _____.
   A. `<em>...</em>`
   B. `<del>...</del>`
   C. `<u>...</u>`
   D. `<strong>...</strong>`

Continued...

8. HTML tags can have _____ that will affect the appearance of your content.
   A. codes
   B. commands
   C. keywords
   D. attributes

9. Which of the following is **NOT** a graphic file format that can be embedded in an HTML document?
   A. .gif
   B. .jpg
   C. .avi
   D. .png

10. What is the correct HTML to link to another document in the same site?
   A. `<a href="https://www.mmu.edu.my/fob/ ">FOB</a>`
   B. `<a href="organisationchart.html">Organisation Chart</a>`
   C. `<a href= "#DBA">Diploma in Business Administration</a>`
   D. `<a href= "mailto:fob@mmu.edu.my">Faculty Email Address</a>`

11. All of the following are input type elements in forms **EXCEPT** _____.
   A. `text`
   B. `action`
   C. `number`
   D. `password`

12. Form data will be transmitted to the server when _____ button is clicked.
   A. clear
   B. reset
   C. delete
   D. submit

13. The statement below refers to _____ input type.
   "Input type that lets a user select one of a predefined option."
   A. `date`
   B. `color`
   C. `radio`
   D. `checkbox`

14. In the body of a style sheet, _____ is used to separate more than one CSS properties.
   A. semicolon
   B. comma
   C. colon
   D. dot

Continued...

15. Which of the following selections is the proper way to apply this CSS rule:

```
p.red { color: red }
```

A. `<p color=.red>`
B. `<p class=.red>`
C. `<p color = "red">`
D. `<p class = "red">`

16. Which of the following is the correct priority order for CSS if multiple style sheets is defined in one HTML page?
A. Inline CSS, Internal CSS, Browser Default, External CSS
B. Inline CSS, Internal CSS, External CSS, Browser Default
C. Internal CSS, External CSS, Inline CSS, Browser Default
D. Internal CSS, Browser Default, External CSS, Inline CSS

17. Which of the following is **NOT** a valid value for CSS `list-style-type`?
A. `box`
B. `disc`
C. `square`
D. `circle`

18. Which of the following CSS properties is used to replace the `<i>` tag?
A. `font-family`
B. `text-decoration`
C. `font-style`
D. `font-weight`

19. The `background-attachment` property in CSS _____.
A. specifies an image to use as the background of an element
B. repeats an image both horizontally and vertically
C. specifies that the background image either scrolls with the page or is fixed
D. specifies the position of the image value

20. The _____ can be used to insert double quote, horizontal tab, new lines, and other special characters into a string in JavaScript.
A. `&`
B. `%`
C. `*`
D. `\`

21. In JavaScript, the following objects are used for displaying output **EXCEPT** _____.
A. `window.prompt()`
B. `document.write()`
C. `window.confirm()`
D. `window.alert()`

Continued...

22. What will happen when a browser runs the JavaScript statement below?

```
// window.alert("Click OK to proceed");?
```

A. A pop up appears with "Click OK to proceed" message and OK button.
B. Nothing will be happening.
C. A pop up appears with "Click OK to proceed" message and two buttons: OK and Cancel.
D. This statement has syntax errors.

23. When a prompt method displays a dialog box in JavaScript, the prompt box will accept a _____ value.

A. float
B. string
C. integer
D. boolean

24. Which of the following is an **INVALID** JavaScript conditional statement?

A. `if-then`
B. `if`
C. `if-else`
D. `if-else if`

25. Which of the following statement will be evaluated to be true when `y=9` and `z=3`?

A. `(y < 5) && (z > 1)`
B. `(y == 5) || (z == 4)`
C. `!(y >= z)`
D. `(y != z) && (z == 3)`

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SECTION B [75 Marks]

QUESTION 1

(a) Write the HTML codes for the following sample output and output description.

(i) ~~Don't stop~~ when you're tired. **Stop** when you're done (2 marks)

(ii) Insert a background music *boombayah.mp3* for a webpage. The music should play automatically upon loading of the page and continuously play the music. Show a message to the user if the browser does not support the audio element. (2 marks)

(b) Write the codes to generate the following HTML list. Use the guidelines given below. (12 marks)

- The first line uses heading level 3.

Sample Output

PROGRAMME STRUCTURE

- **Trimester 1**
  1. Business Mathematics
  2. Fundamental of Business
  3. Microeconomics
  4. Financial Accounting
  5. English
- **Trimester 2**
  6. Statistics & Probability
  7. Principles of Marketing
  8. Macroeconomics
  9. Computer Applications
  10. Business Finance
  11. **U2**
      i. *Basic Academic Writing /*
      ii. *Grooming and Professional Etiquette /*
      iii. *Bahasa Kebangsaan A*
- **Trimester 3**
  12. Business Management
  13. Entrepreneurship
  14. **U2**
      - *Family and Society /*
      - *Introduction to Cultural Practices /*
      - *Fundamental of Islamic Leadership*

Continued...

(c) Write the codes to generate the following HTML form. Use the guidelines given below. (9 marks)

- The Name, Current Phone and Email is a mandatory field.
- The Identification Card Number and Current Phone have a hint in it.
- The Identification Card Number box length must be 20. The user must key-in exactly 12 characters in it, otherwise there will be an error message displayed.

Sample Output

*Name as it appears on university record :

Graduation Date :
mm/dd/yyyy

Identification Card Number :
Enter without dash (-)

*Current Phone :
Enter without dash (-)

*Email :

I wish to pick up an UNOFFICIAL copy of my transcript : Yes No

Submit Form

(Total: 25 marks)

QUESTION 2

(a) Use **Inline CSS** to write the styles to generate the output shown in the sample output. Use the guidelines as your reference. (15 marks)

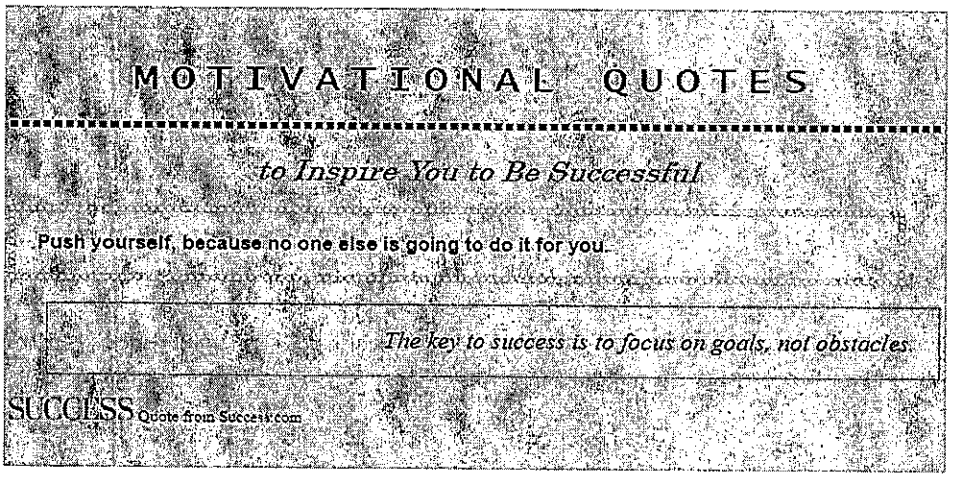
Guidelines

- Webpage : It has a plum background colour.
- Heading level 1 : The texts are in capital letters and center aligned. The text colour is indigo and font type is Lucida Console. There is a 9px spacing between each letter. The heading is located 50px from the top of the page.
- Horizontal line : The line colour is purple, center aligned and the thickness is 2 points. The pattern is dashed.
- Heading level 2 : The font type is Century. The text colour is red, center aligned and it is in italics.
- First paragraph : The paragraph has a dotted border with lavender colour and the width is medium. The right margin is 30px and the padding is 0.2in. The text is bold and font type is Arial. The text size is 1em.
- Second paragraph : The paragraph has a groove border with turquoise colour and the width is thin. The text is aligned right. The left margin is 30px and the padding is 0.2in. The font type is Times and it is in italics. The text size is 1.25em.

Continued...

- Third paragraph : The text colour is blue. The text size is small. The text has a 3px white shadow.
- Image : Set the image (*success_logo.png*) width to 100px and height to 20px.

Sample Output


MOTIVATIONAL QUOTES
to Inspire You to Be Successful
Push yourself, because no one else is going to do it for you.
The key to success is to focus on goals, not obstacles.
SUCCESS Quote from Success.com

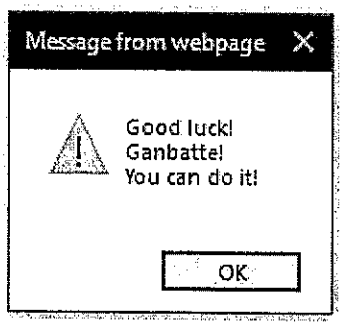
(b) Based on the following description, write the complete **HTML** code and **Internal CSS** codes using *Class Selector* for the webpage body. You are also required to show how this *Class Selector* used in the <body> section of the webpage. (10 marks)

- Create a **class** named *side-image* for a background.
  - The background colour code is #FFB6C1.
  - Background image *panda.png* is repeated vertically on the right side of the web page. The background image stored in the image sub-folder.
  - The size of the image is 90px in height and width.
  - Set 110px margin at the right of the web page.
  - Set the background attachment to fixed.

(Total: 25 marks)

QUESTION 3

(a) Write correct **JavaScript** for the output below. (4 marks)

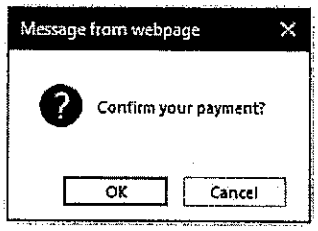


Continued...

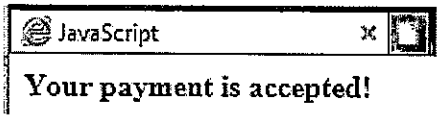
(b) Write correct **JavaScript** for the sample output based on the information below. (5 marks)

- Declare a variable named *payment* and assign its value to *false*.
- Using a *confirm()* method, ask the user "*Confirm your payment?*".
- If the user clicks on the OK button, display "*Your payment is accepted!*" in the web page.
- Otherwise display "*You've cancelled the payment!*" in the web page.

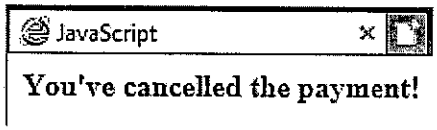
Sample Output



If the user clicks on OK, they will get the following message.



If the user clicks on CANCEL, they will get the following message.



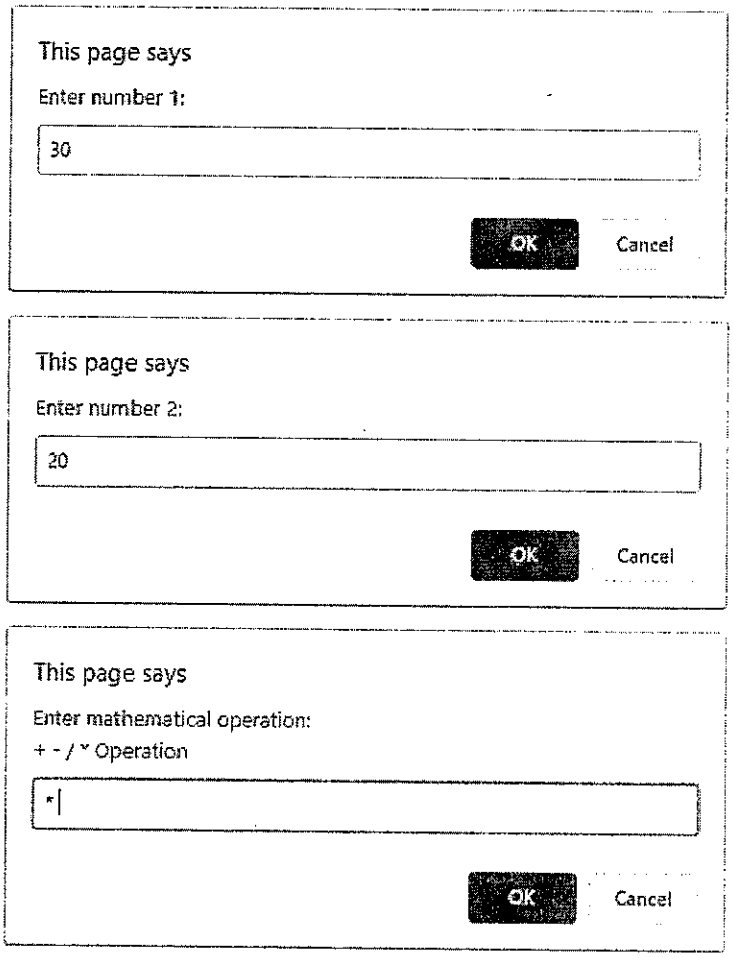
(c) Write the **JavaScript** codes to get two numbers and mathematical operation from user and find the total based on chosen mathematical operation with the help of the given guidelines. (16 marks)

- Declare all the variables used in this program.
- Insert a single line comment "Mathematical Calculation Start Here" in JavaScript.
- Ask the user to enter the first number using a *prompt()* method. Store the value in a variable named *number1*.
- Ask the user to enter the second number using a *prompt()* method. Store the value in a variable named *number2*.
- Ask the user to enter the mathematical operation using a *prompt()* method. Store the value in a variable named *operation*.
- Using *if...else* statement, identify the mathematical operation entered by user. If the user enter plus sign (+), both numbers will be added. If the user enter minus sign (-), both numbers will be subtracted. If the user enter division sign (/), both numbers will be divided. Or else, both numbers will be multiplied. Store the result in a variable named *total*.

Continued...

- Display all the information as shown in the Sample Output.

Sample Output



Number 1 ==> 30
Number 2 ==> 20
Mathematical operation ==> *

The result is 600

(Total: 25 marks)

End of Paper